

What is claimed is:

1 1. An optical disk drive, comprising:
2 a main guide rod;
3 a sub guide rod disposed substantially parallel to
4 the main guide rod;
5 a pickup head, movably disposed on the main guide
6 rod and the sub guide rod, having a clamp to
7 grasp the sub guide rod;
8 a protrusion disposed on the sub guide rod, being
9 movable between a first and a second position;
10 wherein the protrusion blocks the clamp and
11 restricts a movement of the pickup head when
12 the protrusion is in the first position; and
13 the clamp is released when the protrusion is in
14 the second position.

1 2. The optical disk drive as claimed in claim 1,
2 wherein the sub guide rod has two ends, and a slot is
3 formed on one of the ends.

1 3. The optical disk drive as claimed in claim 2,
2 further comprising a chassis, and one of the ends of the
3 sub guide rod being extended out of the chassis.

1 4. The optical disk drive as claimed in claim 1,
2 wherein the optical disk drive further comprises a
3 sensor, the sub guide rod is disposed between the clamp
4 and the sensor, and the protrusion contacts the sensor,
5 which detects a separation between the protrusion and the
6 clamp, so as to detect a movable status of the pickup

7 head movable when the protrusion is in the second
8 position.

1 5. An optical disk drive, comprising:
2 a main guide rod;
3 a sub guide rod disposed substantially parallel to
4 the main guide rod;
5 a pickup head, movably disposed on the main guide
6 rod and the sub guide rod, having a clamp to
7 grasp the sub guide rod;
8 a shaft disposed substantially parallel to the sub
9 guide rod;
10 a protrusion disposed on the shaft, being movable
11 between a first and a second position;
12 wherein the protrusion blocks the clamp and
13 restricts a movement of the pickup head when
14 the protrusion is in the first position; and
15 the clamp is released when the protrusion is in
16 the second position.

1 6. The optical disk drive as claimed in claim 5,
2 wherein the shaft has two ends, and a slot is formed on
3 one of the ends.

1 7. The optical disk drive as claimed in claim 6,
2 further comprising a chassis, and one of the ends of the
3 sub guide rod being extended out of the chassis.

1 8. The optical disk drive as claimed in claim 5,
2 wherein the optical disk drive comprises a sensor, the
3 shaft is disposed between the clamp and the sensor, and
4 the protrusion contacts the sensor, which detects a

5 separation between the protrusion and the clamp, so as to
6 detect a movable status of the pickup head when the
7 protrusion is in the second position.